

Title (en)
INSERTION TOOL FOR A COCHLEAR IMPLANT ELECTRODE ARRAY

Title (de)
EINFÜHRUNGSVORRICHTUNG FÜR KOCHLEARES ELEKTRODENFELDIMPLANTAT

Title (fr)
OUTIL D'INSERTION POUR GROUPEMENT D'ELECTRODES D'IMPLANT COCHLEAIRE

Publication
EP 1233810 A1 20020828 (EN)

Application
EP 01975875 A 20011017

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• AU PR100500 A 20001025
• AU PR177800 A 20001129

Abstract (en)
[origin: US7894916B2] A cochlear implant electrode assembly device (10) comprising an elongate electrode carrier member (11), and a shape element (15) formed of a memory material, such as Nitinol. The elongate member (11) is made of a resiliently flexible first material and has a length and a plurality of electrodes (12) mounted thereon adapted to apply a preselected tissue stimulation. The elongate member (11) has a pre-formed curved orientation that at least substantially matches an inside surface of a cochlea, an implantable orientation different to said pre-formed orientation that allows said member to be inserted into an implantee's cochlea, and an at least one intermediate orientation between said implantable orientation and said pre-formed orientation. The shape element (15) is removably positioned within the elongate member (11) and extends along at least a portion of the length thereof. The shape element (15) has a first shape selected for biasing the elongate member (11) into the implantable orientation when the shape element is at a first temperature, and at least a second shape that allows the elongate member (11) to adopt said at least one intermediate orientation when the shape element (15) is exposed to a temperature of the cochlea (30) being different than the first temperature.

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A61N 1/05; **A61F 11/04**

IPC 8 full level
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Cited by
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